

EROSION AND SEDIMENTATION CONTROL NARRATIVE

I. INTRODUCTION

This erosion and sediment control plan has been prepared as part of the construction plans for the South Arsenal Neighborhood Development S.A.N.D., Hartford, Connecticut

II. NARRATIVE

A. DESCRIPTION OF DEVELOPMENT

The proposed site development consists of constructing a new spraypool, new playscape system, new playground equipment miscellaneous grading, and sidewalk construction.

B. CONSTRUCTION AND GRADING SCHEDULE

1. GENERAL

a. The following schedule is to serve as a general guide to the sequence of construction activities for sediment and erosion control measures. It is not intended to take the place of the contractor's responsibility for detailed scheduling of all construction activities. However, the schedule will be incorporated into the contract documents and no substantial deviation from this schedule shall occur without prior approval of the Engineer.

b. The dates given below are approximate to give an indication of overall construction sequence.

Start Construction	July 1998
Grading	July 1998
End Construction	October 1998

Again, this schedule represents an approximate time line. The contractor is required to meet the dates and deadlines established in their contract executed with the owner.

2. CONSTRUCTION SEQUENCE

a. Clearing and Grubbing

(1.)Install Temporary Construction Entrance as shown on the drawings or as directed by the Engineer.

(2.)Clear all areas and appurtenances within the proposed project area that are not designated to remain. Contractor shall verify with the Engineer removal of any trees within the site. Dispose of cleared items at an approved off-site disposal area.

b. Erosion and Sediment Control

(1.)Install haybales and silt fence as shown on the contract drawings or as directed by the Engineer. Sedimentation and Erosion Controls shall remain until a steady vegetative growth has been established on all slopes or until directed by the Engineer.

c. Site Excavation and Grading

(1.)Strip and Stock topsoil. Install silt fence around stockpile as required.

(2.)Relocate or install additional silt fence or hay bales to fully enclose and control all work areas as directed by the Engineer.

(3.)As site excavation progresses, provide temporary channels or berms as necessary to direct site runoff to the proposed or existing drainage structures as directed by the Engineer.

(4.)The contractor shall stockpile all excess excavated material at locations shown on the drawings or as directed by the Engineer. Silt fence shall be placed around the perimeter of all stockpiles. excess material which will not be reused shall be taken offsite immediately. Areas used for stockpiling shall be returned to their original condition after removal of the stored material.

(5.)As all fill slopes are brought to grade, they shall be compacted, stabilized, topsoil placed and seeded.

d. Surrounding Streets

All streets surrounding Sigourney Park shall be kept clean and free of all dust, dirt, and mud and shall be swept along the site frontage at least at least once a week or as directed by the Engineer. At the Engineers request the Contractor may have to spray water or use other means to control dust on the site.

e. Final Items

Clean all catch basins and storm manholes of all accumulated sediment as directed by the Engineer.

3. CONTINGENCY PLANS FOR FAILED EROSION AND SEDIMENTATION

CONTROL MEASURES

Failed erosion and sedimentation control measures will be evaluated on a case by case basis by the Engineer and appropriate measures taken. These measures may include cleaning and/or replacement of defective facilities or installation of new or supplemental facilities.

C. DESIGN CRITERIA

The following design references were followed for the preparation of erosion and sediment control plans:

1. Connecticut DOT Drainage Manual
2. SCS Guideline for Soil Erosion and Sediment Control

Sedimentation control bales have been designed in accordance with Chapter 7, Section F of the Connecticut Guidelines for Soil Erosion and Sediment Control

The construction entrance has been designed in accordance with Chapter 8, Section F of the Connecticut Guideline for Soil Erosion and Sediment Control

D. CONSTRUCTION DETAILS

Construction details for the proposed project are presented on the detail sheets.

E. INSTALLATION PROCEDURES

The installation procedures for erosion and sedimentation control measures are presented in the projects technical specifications for Excavation, Filling and Grading; and Sedimentation and Erosion Control. Additional installation procedures are shown on the construction details both visually and by use of construction notes.

F. OPERATION AND MAINTENANCE

1. DURING CONSTRUCTION

Best management practices, shall be utilized to control storm water discharges and to prevent erosion and sedimentation and to otherwise prevent pollution of wetlands or watercourses. For information and technical assistance, contact the Town Planner. The permittee shall immediately inform the Planning Department of any problems involving wetlands or watercourses which have developed in the course of, or which are caused by, the authorized work.

No equipment or material including without limitation, fill, construction materials, or debris, shall be deposited, placed, or stored in any wetland or watercourse on or off site.

Timely implementation and maintenance of sediment and erosion control measures are required. All sediment and erosion control measures must be maintained until all disturbed areas are stabilized.

A pre-construction meeting shall be held prior to the commencement of any construction activities on the site with the owner, contractor, and Town staff.

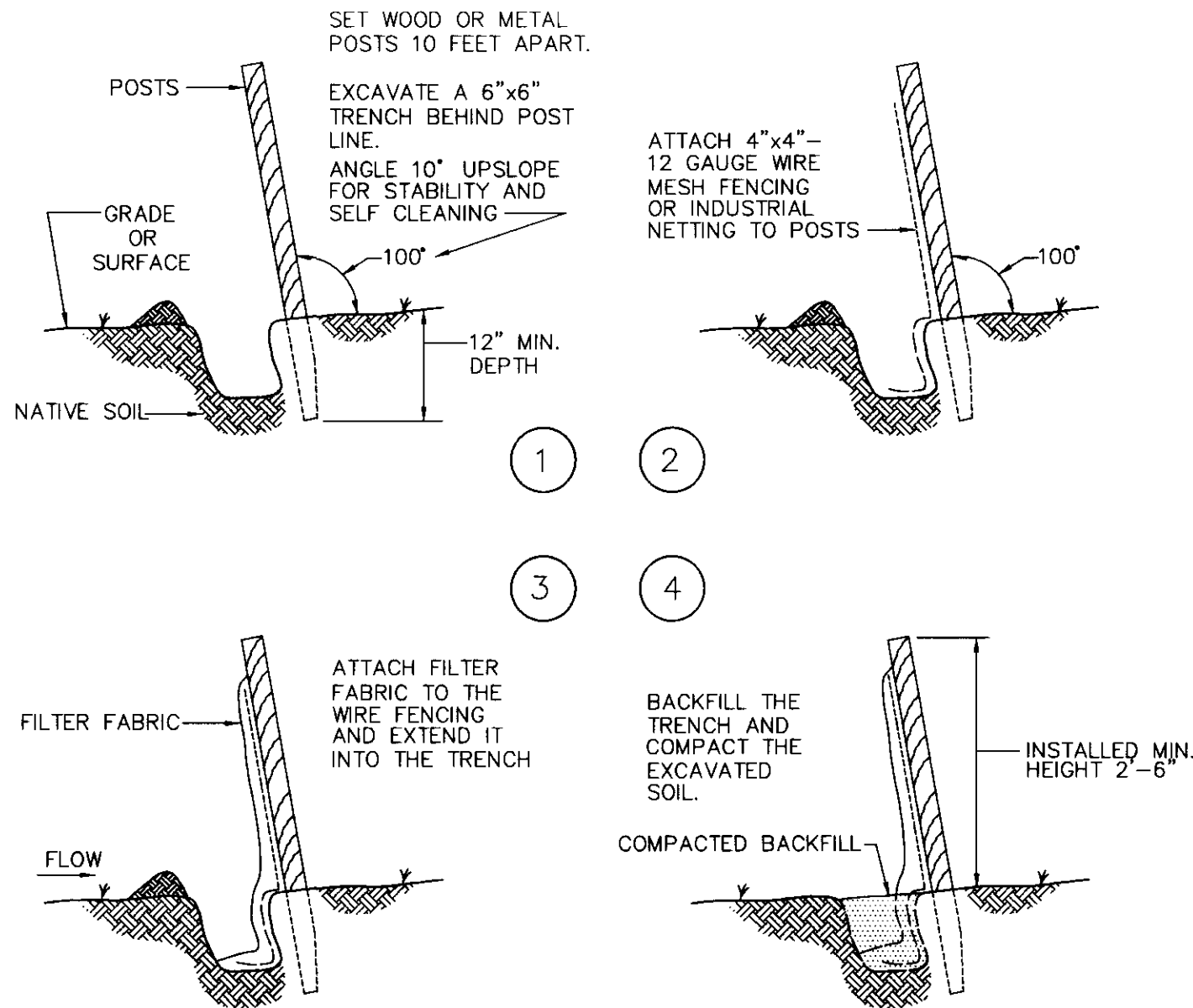
As contained in the Sedimentation and Erosion Control Specifications, operations and maintenance during construction will consist of periodic replacement and/or cleaning of clogged hay bales, silt fence and construction entrance at no additional cost to the owner. Any temporary sedimentation basins will be cleaned of accumulated sediment when the depth of accumulated sediment exceeds 8". All drainage structures shall be inspected on daily basis and any necessary corrective action taken.

2. LONG TERM

The landscaping should be inspected on a yearly basis and selected replacement of trees, shrubs and ground cover made as required.

G. DESIGNATED ON-SITE AGENT

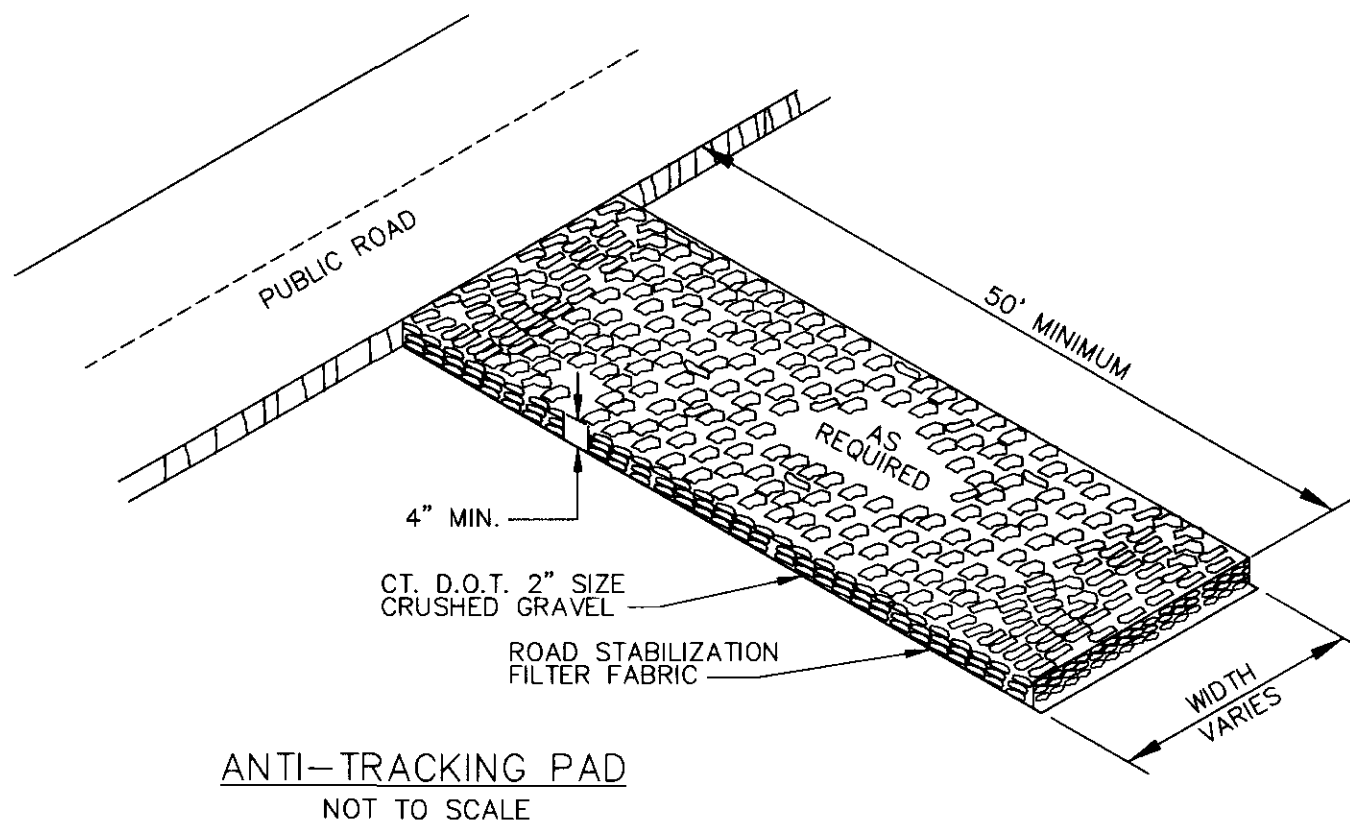
1. The person responsible for overseeing of proper installation and maintenance of all soil erosion sediment control measures for this project shall be the Construction Manager.



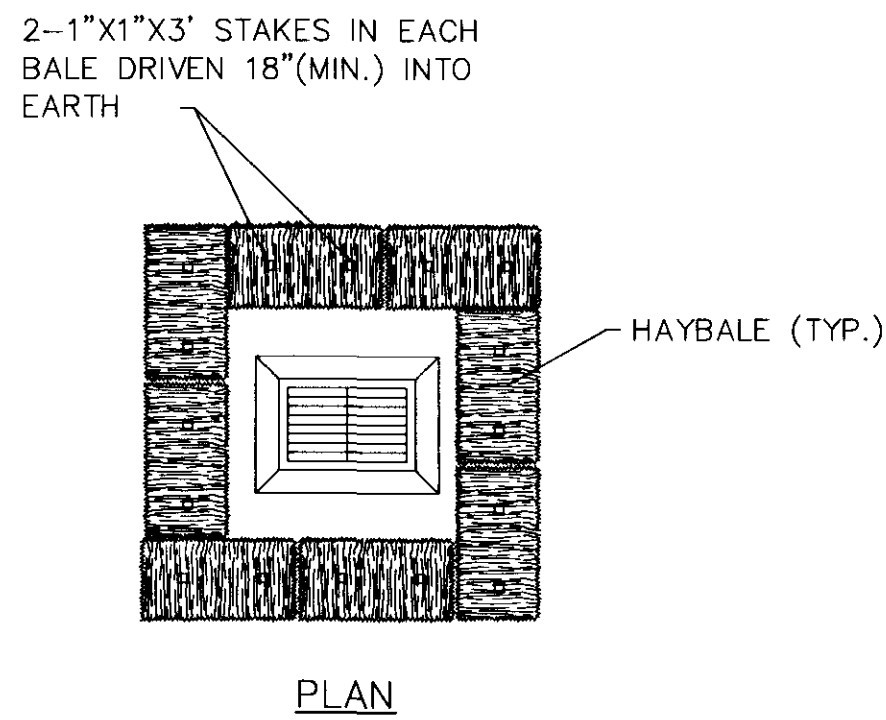
PLACEMENT AND CONSTRUCTION OF
FILTER FABRIC SILT FENCE

NOT TO SCALE

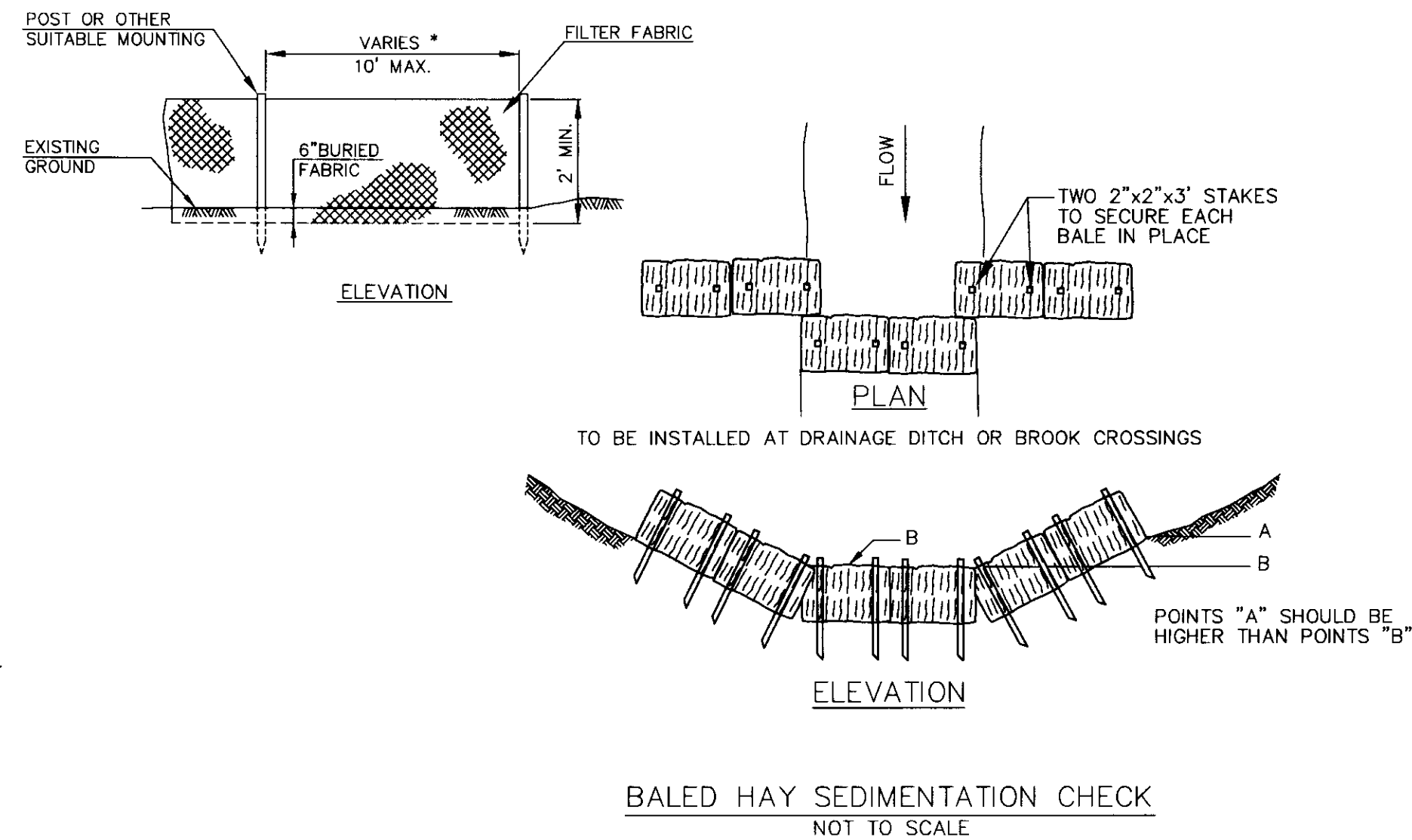
NOTE:
FENCE TO BE INSTALLED PRIOR TO CONSTRUCTION
*PREASSEMBLED UNITS ALSO MAY BE USED, INSTALLED AS INDICATED.



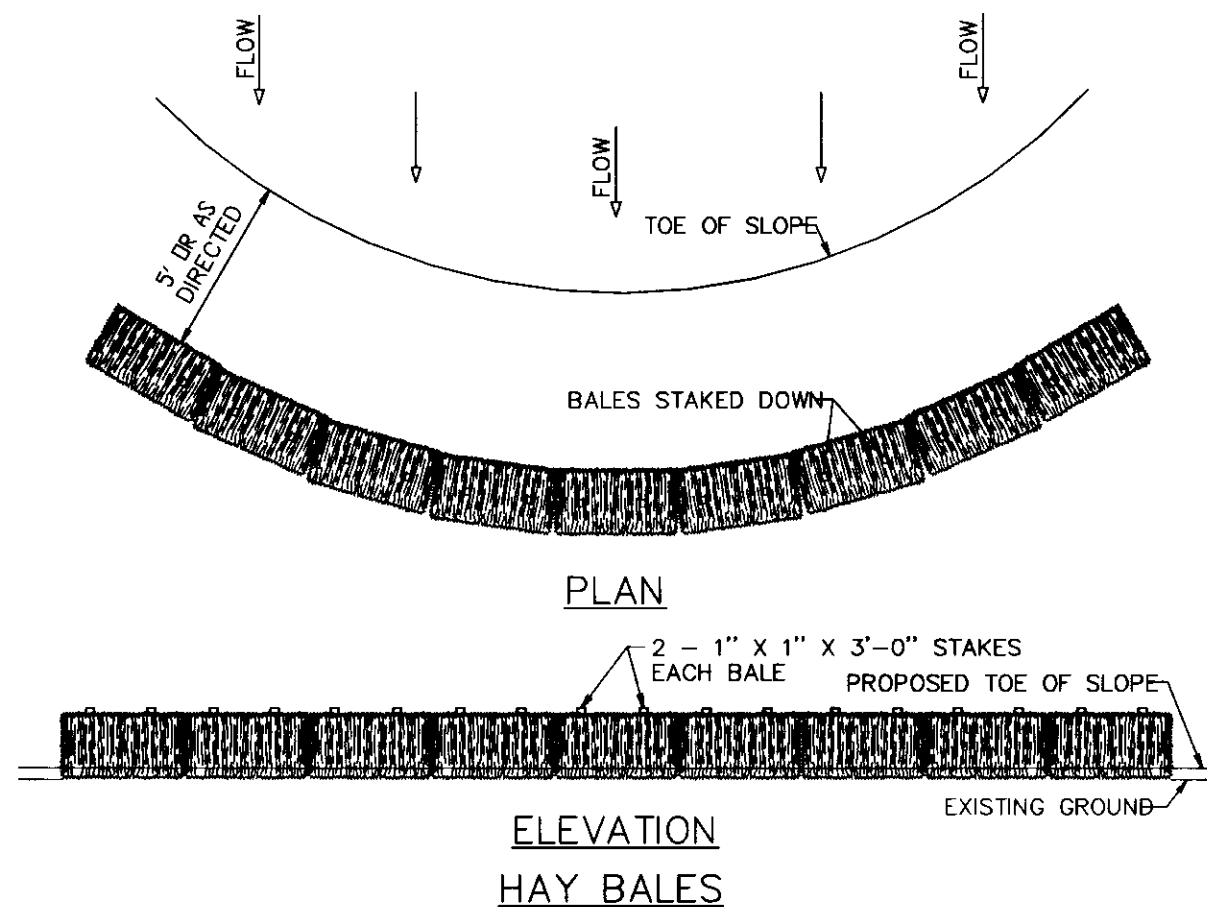
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SEDIMENTATION CONTROL
BALE PLACEMENT AT CATCH BASINS



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NOT TO SCALE



HAY BALES
ELEVATION

CITY OF HARTFORD, CONNECTICUT
DEPARTMENT OF PUBLIC WORKS
TRANSPORTATION SERVICES

EROSION CONTROL DETAILS
SOUTH ARSENAL NEIGHBORHOOD
DEVELOPMENT SAND.
HARTFORD, CONNECTICUT

SUBMITTED: [Signature] PROJECT ENGINEER
RECOMMENDED: [Signature] MANAGER
APPROVED: [Signature] CITY ENGINEER

SCALE: HORZ. 1:50 VERT. 1:5
DAYBOOK NO. 011391
DATE
FILE NAME SANDY10.DWG

SHEET
8 OF 8

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